

IMPACT CATEGORY	ALTERNATIVE 1	ALTERNATIVE 2
	<p><i>Alternative 1. Suppress all unplanned human-caused fires. All fires of natural origin will be suppressed, including all lightning and lava caused fire. Allow the experimental use of prescribed fire in those areas of the park where there are extensive barriers to fire spread past park boundaries.</i></p> <p><i>Continue to control invasive fountain grass and other fuels, maintain fuel breaks in fire-prone areas or at high value resource areas, and revegetate burned areas with fire-tolerant native vegetation, if feasible and necessary. Limited use of manual and chemical treatments would continue to prevent the widespread establishment of new alien species and facilitate native plant revegetation, including rare plants.</i></p>	<p><i>Alternative 2. All unplanned fires of human origin will be suppressed. All fires of natural origin will be suppressed except for fires in isolated kipuka in the Coastal Lowland, Alpine, and Subalpine FMUs that are surrounded by extensive lava flows and where resource damage such as loss of rare species or expected invasion of alien species would not occur. Prescribed fire may be used in the Coastal Lowland and Mid-Elevation Seasonal FMUs to help restore native vegetation or threatened, endangered, or rare species in environments altered by invasive species. Fire use and prescribed fire will be allowed only in those areas of the park where there are extensive barriers to fire spread past the park boundaries.</i></p> <p><i>Continue to control invasive fountain grass and other fuels, maintain fuel breaks in fire-prone areas or at high value resource areas. Revegetate burned areas with fire-tolerant native vegetation, if feasible and necessary. Limited use of manual and chemical treatments would continue to prevent the widespread establishment of new alien species and facilitate native plant revegetation, including rare plants.</i></p>
Air Quality	Local, direct and indirect, short term negligible to minor, adverse impacts. Smoke production minimized by suppressing all fires and a minimal role for prescribed fire.	Local, direct and indirect, short term negligible to minor, adverse impacts. Greater smoke production because of potential for limited wildland fire use and prescribed fire. Minimize smoke production by conducting prescribed fires only when conditions favor smoke dispersal.
Soils	Site specific, short term, indirect, negligible to minor, adverse impacts because of vegetation recovery or persistence of litter and humus.	Site specific and local, short and long term, indirect, minor, adverse impacts because of vegetation recovery or persistence of litter and humus. Minimize erosion potential by avoiding intense prescribed fires.

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Water Resources and Wetlands	<p>Site specific and local, short and long term, indirect, negligible impacts because of low fire potential in the vicinity of water resources and wetlands, and mitigation using Minimum Impact Suppression Tactics (MIST) to avoid contamination of water resources.</p>	<p>Site specific and local, short and long term, indirect, negligible impacts because of low fire potential in the vicinity of water resources and wetlands. Minimize potential contamination by using MIST, such as avoiding use of retardants and foam near water resources.</p> <p>Expanded use of prescribed fire and wildland fire use does not include areas containing water resources and wetlands.</p>
Wilderness	<p>Local, short and long term, direct and indirect, minor, adverse impacts such as helicopter flights, chain saw, weed eater use, landing zones, fire lines, and safety zones. These actions have been determined in past fires to be Minimum Tools. Potential for long-term impacts mitigated by use of Minimum Requirement/Minimum Tool decision-making process, MIST, and revegetation of fire damaged areas.</p> <p>Enhanced wilderness quality through limited restoration of alien dominated communities through revegetation after wildfire, small experimental prescribe burns, and manual/chemical clearing of invasives.</p>	<p>Local, short and long term, direct and indirect, minor, adverse impacts of fire operations similar to Alternative 1. These actions have been determined in past fires to be Minimum Tools. Potential for fewer suppression impacts in wilderness because of fire use policy in portions of three FMUs. Potential for more fire and fire suppression impacts in portions of Coastal Lowland and Mid Elevation Seasonal FMUs because of prescribed fire. Potential for long-term impacts mitigated by use of Minimum Requirement/Minimum Tool decision-making process, MIST, and revegetation of fire damaged areas.</p> <p>Provides for more widespread improvement of wilderness qualities of ecological integrity and biodiversity through expanded use of prescribed fire and wildland fire use in areas overwhelmed by invasives, followed by revegetation with native plant species. These activities would be undertaken following a Minimum Requirement/Minimum Tool analysis.</p>
Soundscapes	<p>Site specific and local, short term, direct and indirect, negligible adverse impacts on soundscapes because of use of helicopters and power tools such as chain saws and weed eaters.</p>	<p>Site specific and local, short term, direct and indirect, negligible adverse impacts on soundscapes because of use of helicopters, chain saws, and weed eaters. Potentially more extensive impacts because of fire use and prescribed fire.</p>

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Wildland/Urban Interface	<p>Local, long term, direct and indirect, negligible beneficial impacts. Provides for maximum protection of life, property, and resources in the wildland/urban interface because it requires all fires to be suppressed, does not allow fire use, and includes only a minimal role for prescribed fire in the park. Prescribed fire will be allowed only in those areas of the park where there are extensive barriers to fire spread past the park boundaries.</p>	<p>Local, long term, direct and indirect, negligible beneficial impacts. Mitigation for fire use and prescribed fire provides for protection of life, property, and resources in the wildland/urban interface. Fire use and prescribed fire will be allowed only in those areas of the park where there are extensive barriers to fire spread past the park boundaries.</p>
Vegetation	<p>Site specific and local, long term, direct and indirect, minor or potentially major, beneficial impacts. Protection of native plant communities from spread of invasive plants through fire exclusion.</p> <p>Protection of fire-sensitive native plant communities and rare plant sites from fire through fire exclusion.</p> <p>Use of Resource Advisors to protect sensitive vegetation.</p> <p>Limited restoration of native plant communities through revegetation following wildfire, small experimental prescribed fires, and manual/chemical treatments of invasive grasses.</p>	<p>Site specific and local, long term, direct and indirect, minor or potentially major, beneficial impacts. Protection of native plant communities from spread of invasive plants through fire exclusion.</p> <p>Protection of fire-sensitive native plant communities through fire exclusion.</p> <p>Use of Resource Advisors to protect sensitive vegetation.</p> <p>Expanded restoration of native vegetation in alien dominated communities through prescribed fire in areas overwhelmed by invasives, followed by revegetation.</p> <p><i>Alternative 2</i> will also contribute the most information about fire effects on vegetation.</p>
Wildlife	<p>Site specific and local, long term, direct and indirect, minor or potentially major, beneficial impacts. Protection of native wildlife through exclusion of fire in native habitats.</p> <p>Limited improvement of habitat through revegetation following small experimental prescribed fires and natural wildfire. Use of Resource Advisors to protect sensitive species and habitat.</p>	<p>Site specific and local, long term, direct and indirect, minor or potentially major, beneficial impacts. Protection of native wildlife through exclusion of fire from native habitats; enhanced wildlife habitat in Coastal Lowland and Mid-Elevation Seasonal FMUs.</p> <p>Expanded improvement of habitat through prescribed fire followed by revegetation. Use of Resource Advisors to protect sensitive species and habitat.</p>

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Threatened/ Endangered Species and Species of Special Concern	Site specific and local, long term, direct and indirect, minor or potentially major, beneficial impacts. Fire exclusion under this alternative best protects rare species. Use of Resource Advisors to protect sensitive species and habitat.	Site specific and local, long term, direct and indirect, minor or potentially major, beneficial impacts. There is potential for more extensive impacts on rare species because of fire use and prescribed fire. However, fire would not be allowed or used in areas with rare species unless these species were known to respond favorably or can be protected from fire. Prescribed fire may enhance rare species populations in Coastal Lowland and Mid-Elevation Seasonal FMUs because of plant community or habitat restoration.
Caves	Site specific, short and long term, direct and indirect, minor or possible major, beneficial impacts to `ohi`a roots and cave organisms and environment by fire exclusion. Potential for visitation and impacts in caves by fire fighters. Use of Resource Advisors to protect caves during fire operations.	Site specific, short and long term, direct and indirect, minor or possible major, beneficial impacts. Potentially more extensive impacts to cave ecosystems with prescribed fire and fire use. These can be mitigated by avoiding areas with known cave resources. Use of Resource Advisors to protect caves during fire operations.
Visitor Use and Experience	Site specific and local, short term, direct and indirect, negligible minor adverse impacts from restricting visitors from parts of the park because of fire or fire operations or loss of viewsheds because of smoke. Interpretation of fire use and prescribed fire on site as mitigation.	Site specific and local, short term, direct and indirect, minor adverse impacts. Potential for more closures and smoke with fire use and prescribed fire. Interpretation of fire use and prescribed fire on site as mitigation
Socioeconomics	Local, short term, direct and indirect, minor beneficial impacts on the economy of local communities.	Local, short term, direct and indirect, minor beneficial impacts on the economy of local communities.
Prime or Unique Farmlands	Local, direct and indirect, short and long term, minor, largely beneficial impacts. Fire exclusion policy provides maximum protection for unique farmlands. Prescribed fire will not occur near prime or unique farmlands.	Local, direct and indirect, short and long term, minor, largely beneficial impacts. Largely fire exclusion policy minimizes potential for fire to leave the park and affect unique farmlands. Fire use not allowed in the FMUs that are near the unique farmlands. And the prime or unique farmlands are not near the areas where prescribed fire is allowed.

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Archeological Resources	<p>Site specific, direct and indirect, short and long term, minor impacts. Possible impacts to resources from suppression activities. Mitigate impacts through consultation with Cultural Resources staff for fire planning and implementation, manual and chemical treatments to prevent new alien grass establishment and facilitate revegetation of native plants, controlling fountain grass, maintaining or establishing fuel breaks, and revegetating burned areas. No prescribed fire if negative (adverse) impacts can't be mitigated.</p>	<p>Site specific and local, direct and indirect, short and long term, minor impacts. Reduced impacts from fire suppression activities; however, possible increased impacts from direct fire effects. Similar consultation efforts as presented in <i>Alternative 1</i> for fire planning and implementation, manual and chemical treatments to prevent new alien grass establishment and facilitate revegetation of native plants, controlling fountain grass, maintaining or establishing fuel breaks, and revegetating burned areas. No natural fire or prescribed fire use if negative (adverse) impacts can't be mitigated.</p>
Historic Structures	<p>Site specific, direct and indirect, short and long term, minor impacts. Possible impacts to resources from suppression activities. Mitigate impacts through consultation with Cultural Resources staff for fire planning and implementation, manual and chemical treatments to prevent new alien grass establishment and facilitate revegetation of native plants, controlling fountain grass, maintaining or establishing fuel breaks, and revegetating burned areas. No prescribed fire if negative (adverse) impacts can't be mitigated.</p>	<p>Site specific and local, direct and indirect, short and long term, minor impacts. Similar consultation efforts as presented in <i>Alternative 1</i>. Possible impacts to resources from suppression activities. Mitigate impacts through consultation with Cultural Resources staff for fire planning and implementation, manual and chemical treatments to prevent new alien grass establishment and facilitate revegetation of native plants, controlling fountain grass, maintaining or establishing fuel breaks, and revegetating burned areas. No prescribed fire if negative (adverse) impacts can't be mitigated.</p>
Cultural Landscapes	<p>Site specific, direct and indirect, short and long term, minor impacts. Possible impacts to resources from suppression activities. Mitigate impacts through consultation with Cultural Resources staff for fire planning and implementation, manual and chemical treatments to prevent new alien grass establishment and facilitate revegetation of native plants, controlling fountain grass, maintaining or establishing fuel breaks, and revegetating burned areas. No prescribed fire if negative (adverse) impacts can't be mitigated.</p>	<p>Site specific and local, direct and indirect, short and long term, minor impacts. Reduced impacts from fire suppression activities; however, possible increased impacts from direct fire effects. Similar consultation efforts as presented in <i>Alternative 1</i> for fire planning and implementation, manual and chemical treatments to prevent new alien grass establishment and facilitate revegetation of native plants, controlling fountain grass, maintaining or establishing fuel breaks, and revegetating burned areas. No natural fire or prescribed fire use if negative (adverse) impacts can't be mitigated.</p>

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Ethnographic Resources	<p>Site specific, direct and indirect, short and long term, minor impacts. Possible impacts to resources from suppression activities. Mitigate impacts through consultation with Cultural Resources staff for fire planning and implementation, manual and chemical treatments to prevent new alien grass establishment and facilitate revegetation of native plants, controlling fountain grass, maintaining or establishing fuel breaks, and revegetating burned areas. No prescribed fire use if negative (adverse) impacts can't be mitigated.</p>	<p>Site specific and local, direct and indirect, short and long term, minor impacts. Reduced impacts from fire suppression activities; however, possible increased impacts from direct fire effects. Similar consultation efforts as presented in <i>Alternative 1</i> for fire planning and implementation, manual and chemical treatments to prevent new alien grass establishment and facilitate revegetation of native plants, controlling fountain grass, maintaining or establishing fuel breaks, and revegetating burned areas. No natural fire or prescribed fire use if negative (adverse) impacts can't be mitigated.</p>